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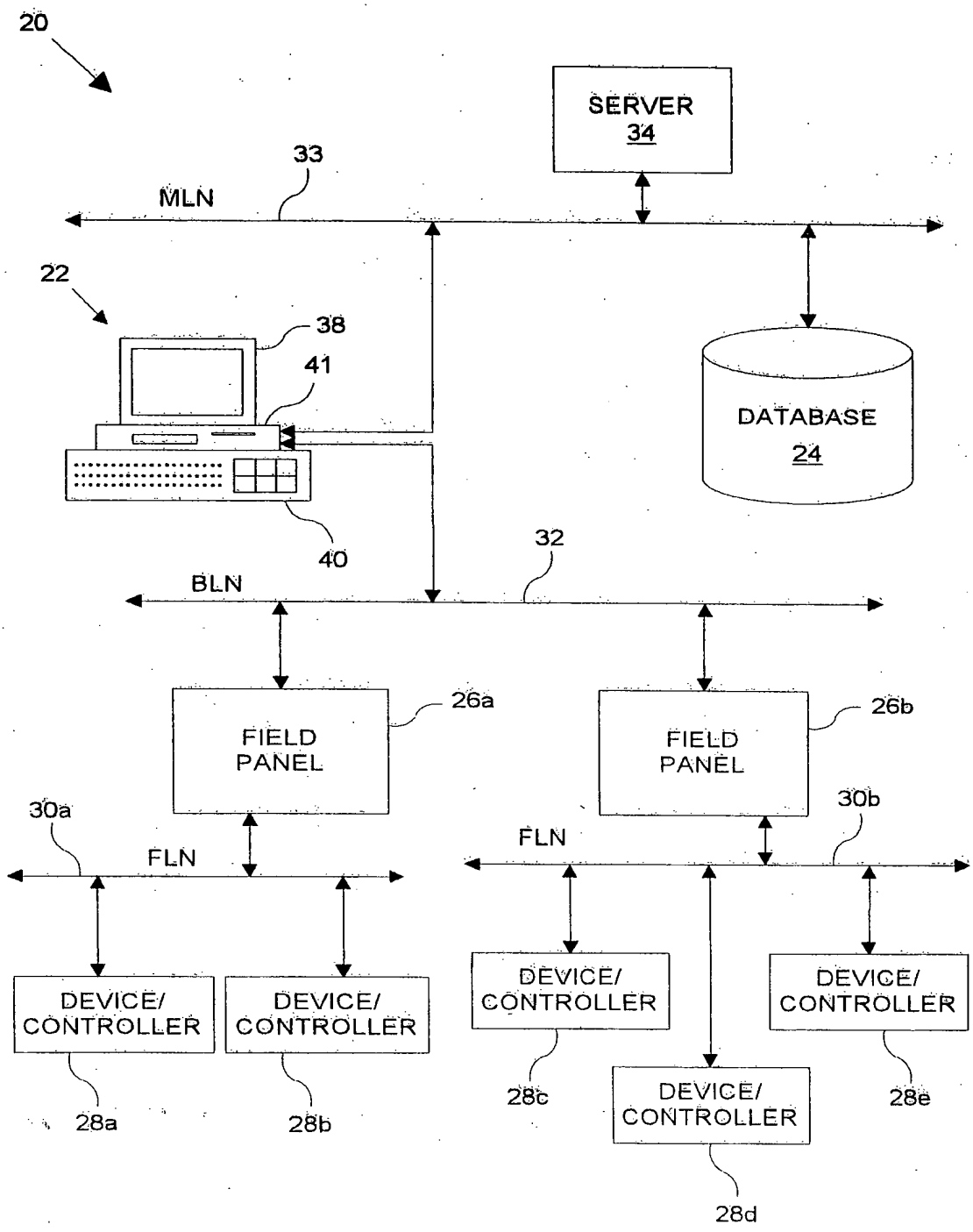
20
SERVER
34
33
MLN
22
38
41
DATABASE
24
40
32
BLN
FIELD
PANEL
26a
FIELD
PANEL
26b
30a
FLN
30b
FLN
DEVICE/
CONTROLLER
DEVICE/
CONTROLLER
DEVICE/
CONTROLLER
DEVICE/
CONTROLLER
DEVICE/
CONTROLLER
28a
28b
28c
28d
28e

FIG. 1

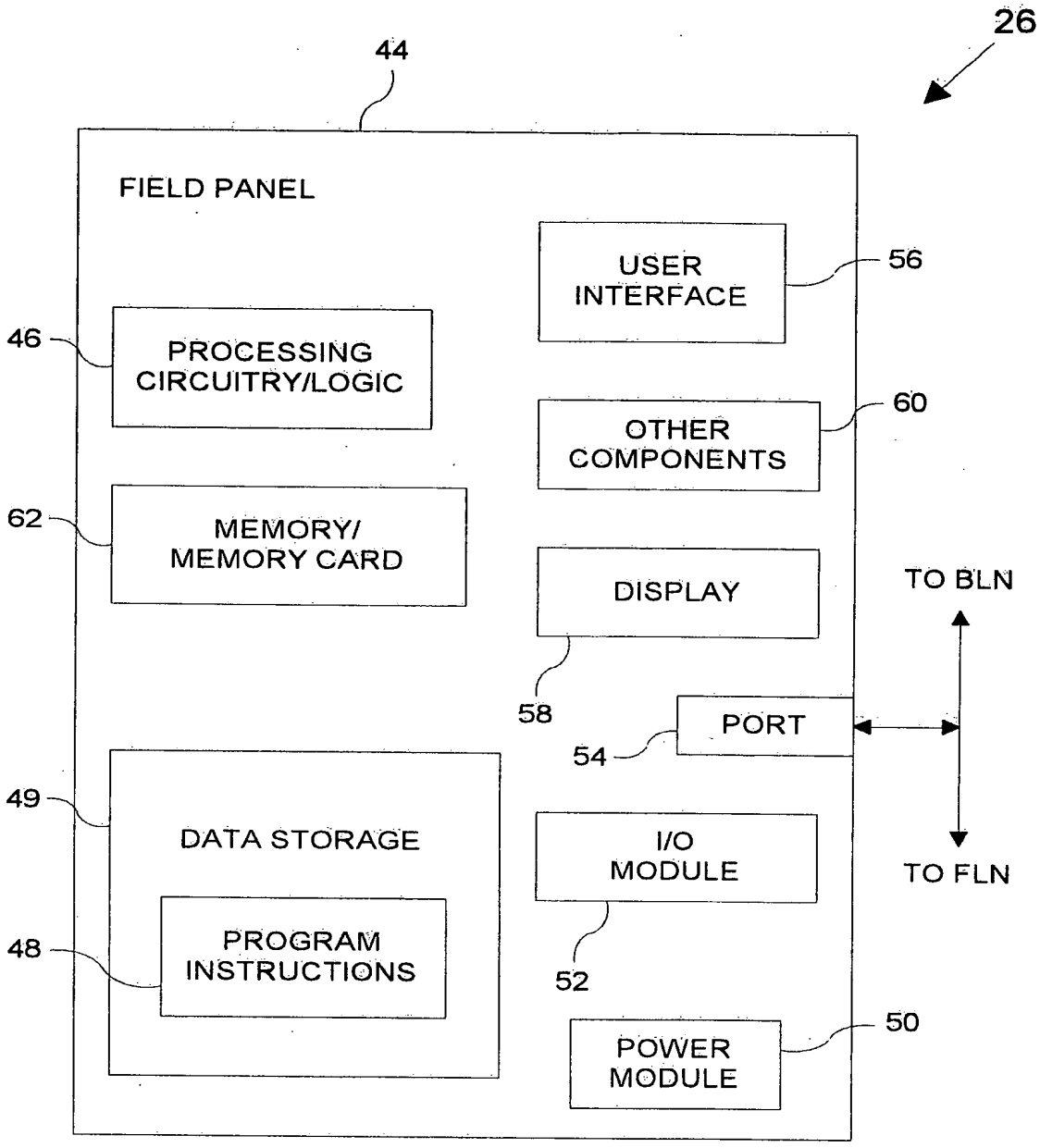
26
44
FIELD PANEL
USER INTERFACE
56
46
PROCESSING CIRCUITRY/LOGIC
60
OTHER COMPONENTS
62
MEMORY/ MEMORY CARD
DISPLAY
TO BLN
58
PORT
54
49
DATA STORAGE
I/O MODULE
TO FLN
48
PROGRAM INSTRUCTIONS
52
50
POWER MODULE

FIG. 2

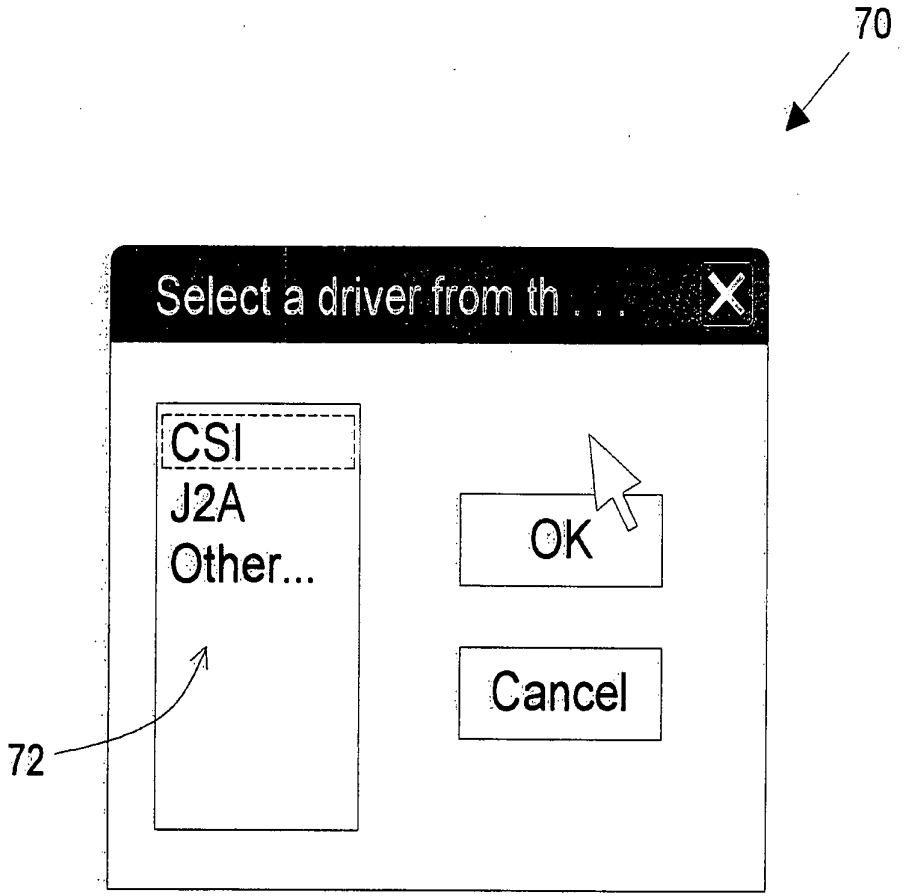

FIG. 3

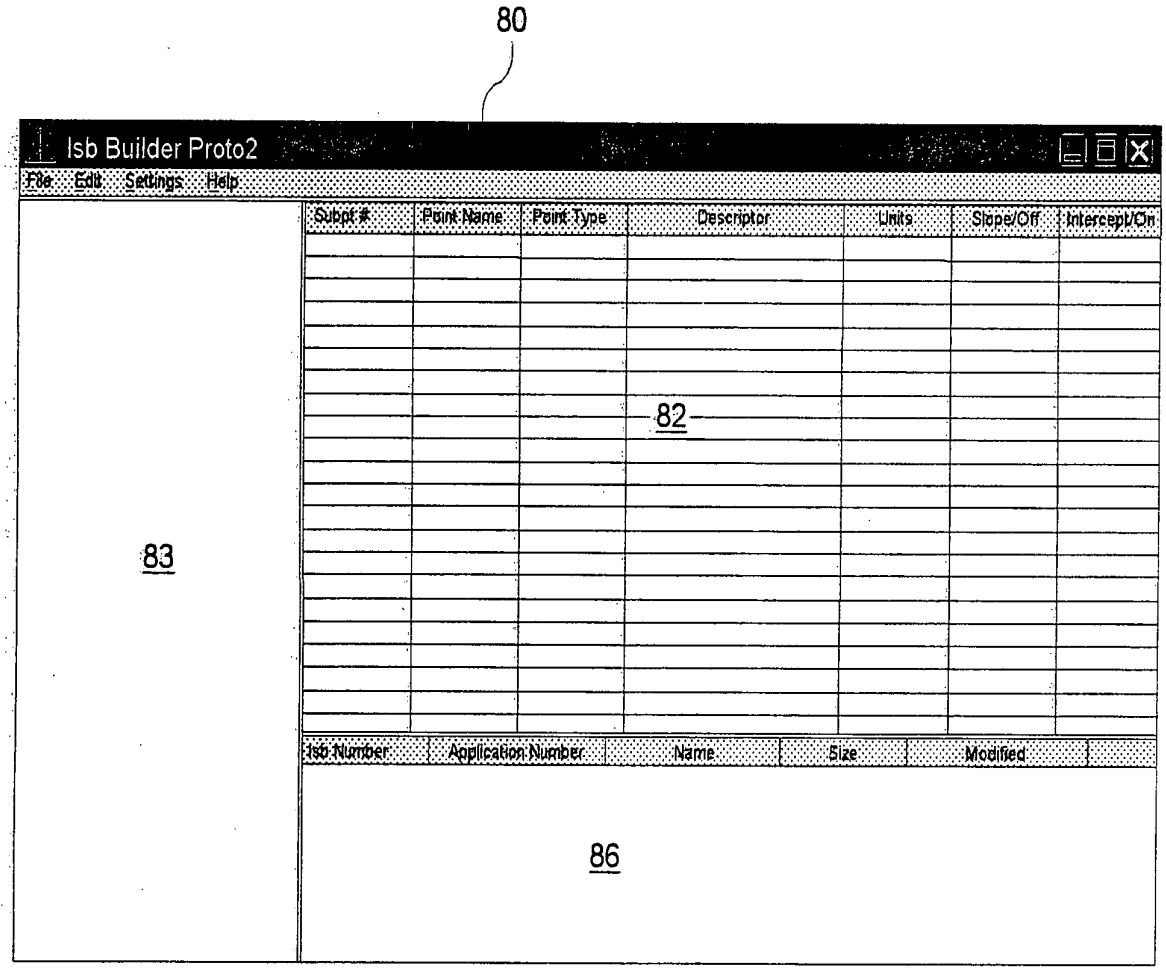
80
Isb Builder Proto2
File Edit Settings Help
Subpt # Point Name Point Type Descriptor Units Slope/Off Intercept/On
82
83
Isb Number Application Number Name Size Modified
86

FIG. 4

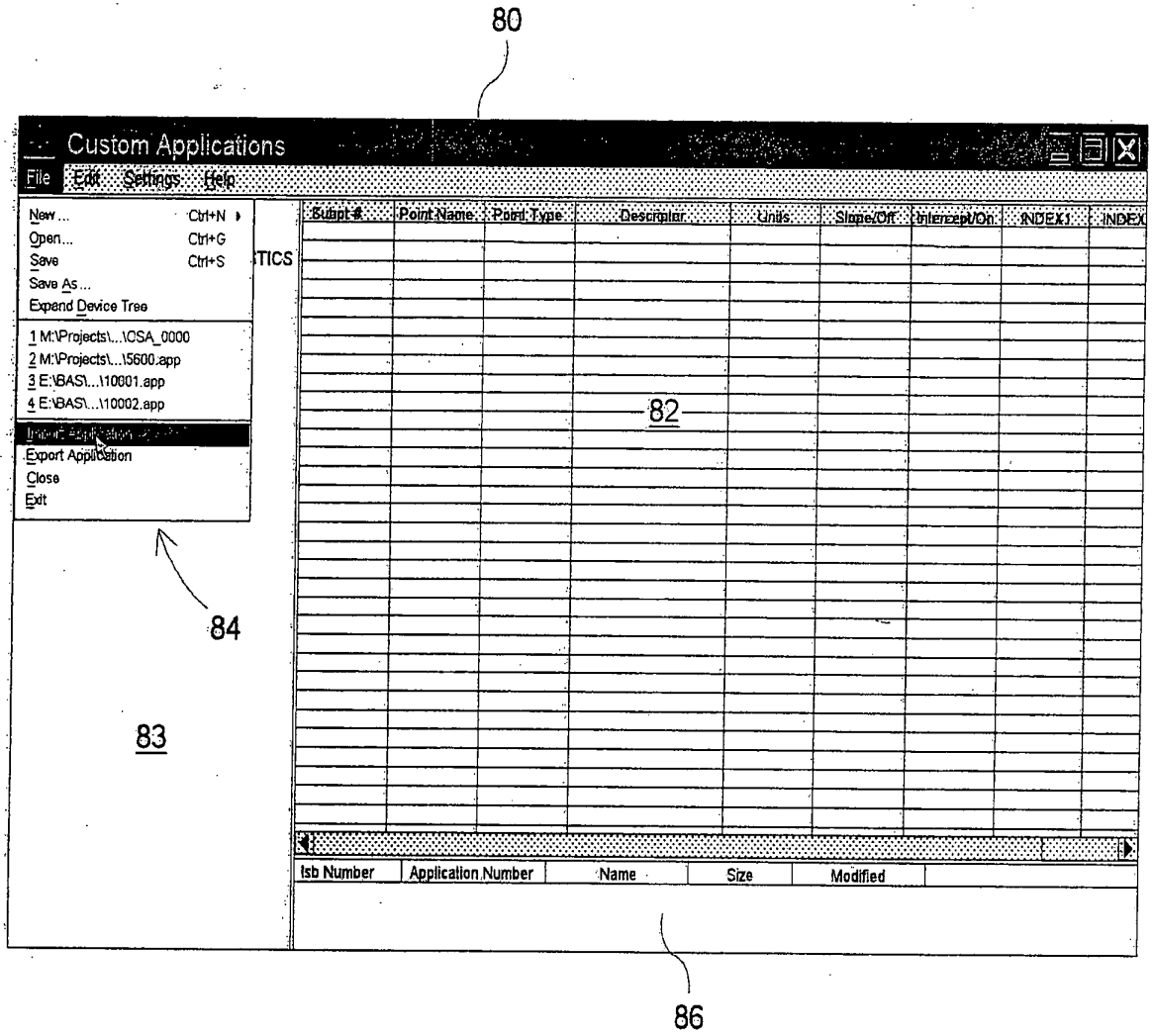
80
Custom Applications
File Edit Settings Help
New... Ctrl+N
Open... Ctrl+G
Save Ctrl+S
Save As...
Expand Device Tree
1 M:\Projects\...\CSA_0000
2 M:\Projects\...\5600.app
3 E:\BAS\...\10001.app
4 E:\BAS\...\10002.app
Export Application
Close
Exit
Subpt # Point Name Point Type Descriptor Units Slope/Crf Intercept/On INDEX1 INDEX
82
84
83
Isb Number Application Number Name Size Modified
86

FIG. 5

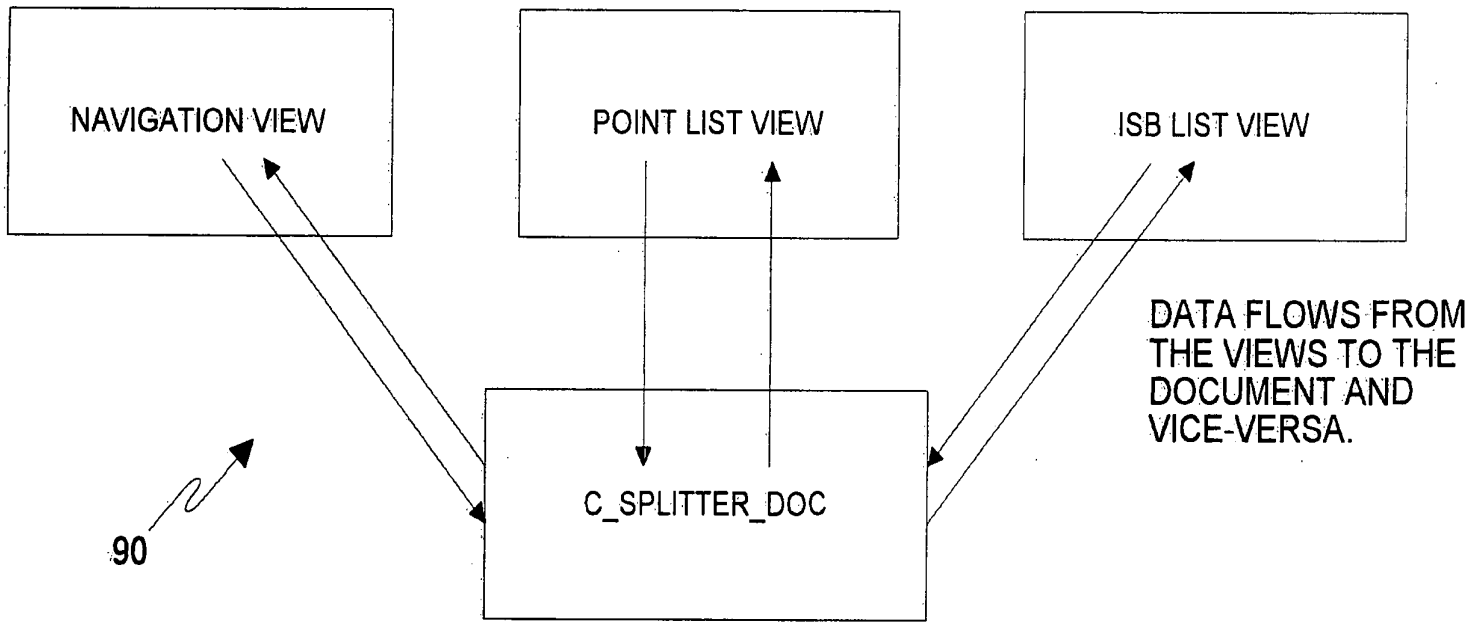
NAVIGATION VIEW
POINT LIST VIEW
ISB LIST VIEW
DATA FLOWS FROM THE VIEWS TO THE DOCUMENT AND VICE-VERSA.
C_SPLITTER_DOC
90

FIG. 6

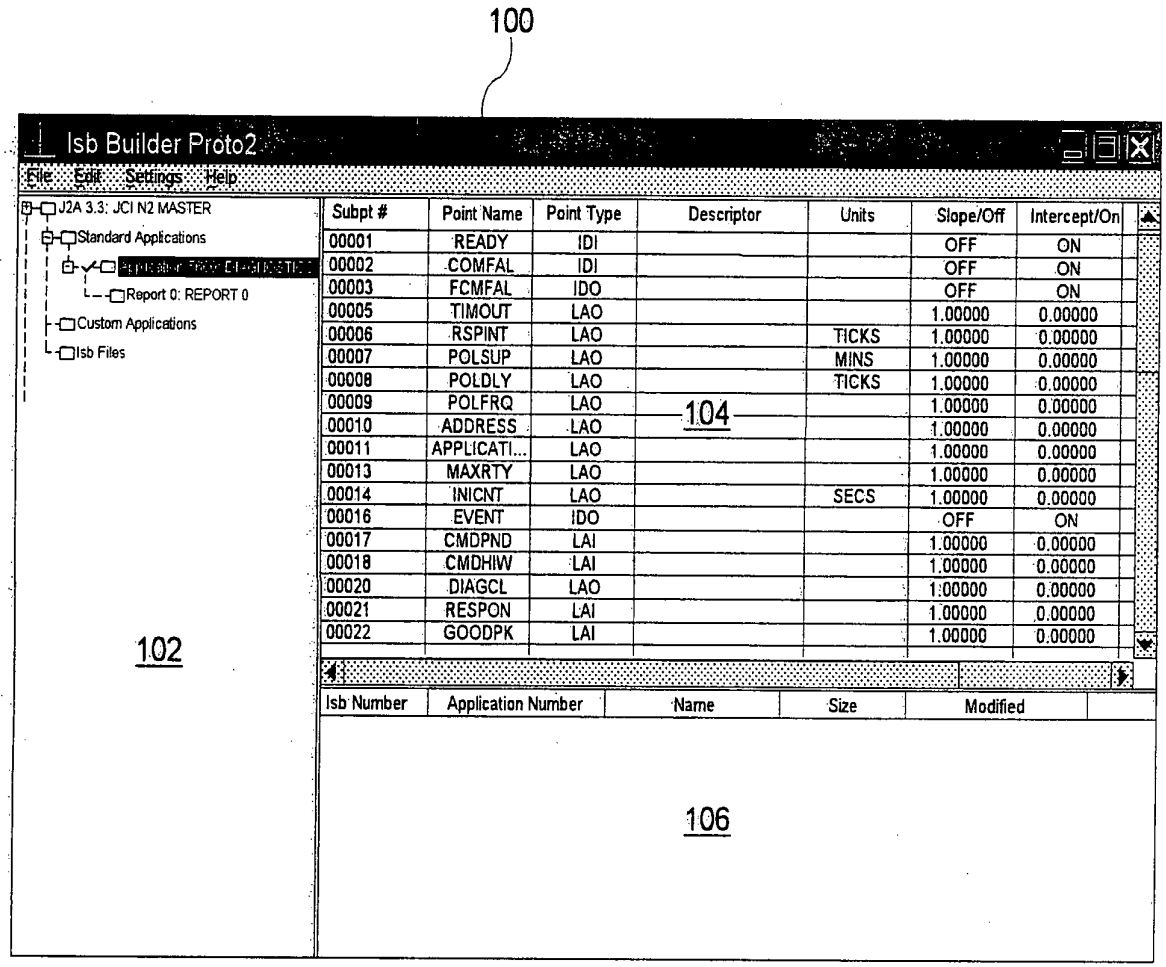
100
lsb Builder Proto2
File Edit Settings Help
J2A 3.3: JCI N2 MASTER
Standard Applications
Report 0: REPORT 0
Custom Applications
lsb Files
102
Subpt # | Point Name | Point Type | Descriptor | Units | Slope/Off | Intercept/On
00001 READY IDI OFF ON
00002 COMFAL IDI OFF ON
00003 FCMFAL IDO OFF ON
00005 TIMOUT LAO 1.00000 0.00000
00006 RSPINT LAO TICKS 1.00000 0.00000
00007 POLSUP LAO MINS 1.00000 0.00000
00008 POLDLY LAO TICKS 1.00000 0.00000
00009 POLFRQ LAO 1.00000 0.00000
00010 ADDRESS LAO 1.00000 0.00000
00011 APPLICATI... LAO 1.00000 0.00000
00013 MAXRTY LAO 1.00000 0.00000
00014 INICNT LAO SECS 1.00000 0.00000
00016 EVENT IDO OFF ON
00017 CMDPND LAI 1.00000 0.00000
00018 CMDHIW LAI 1.00000 0.00000
00020 DIAGCL LAO 1.00000 0.00000
00021 RESPON LAI 1.00000 0.00000
00022 GOODPK LAI 1.00000 0.00000
104
lsb Number | Application Number | Name | Size | Modified
106

FIG. 7

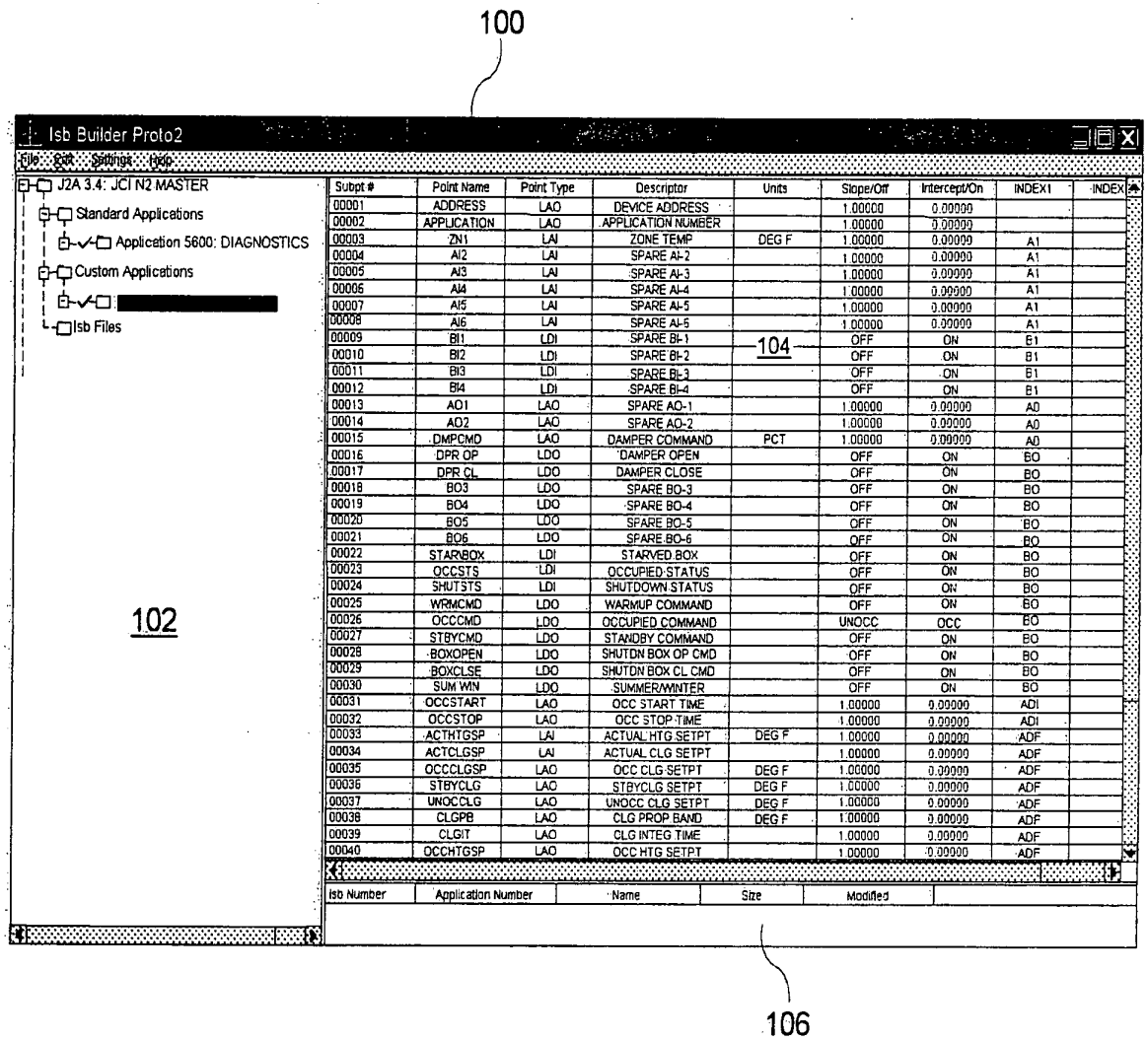
100
Isb Builder Proto2
File Edit Settings Help
J2A 3.4: JCI N2 MASTER
Standard Applications
Application 5600: DIAGNOSTICS
Custom Applications
Isb Files
102
104
106
Subpt # | Point Name | Point Type | Descriptor | Units | Slope/Off | Intercept/On | INDEX1 | INDEX
00001 | ADDRESS | LAO | DEVICE ADDRESS | | 1.00000 | 0.00000 | |
00002 | APPLICATION | LAO | APPLICATION NUMBER | | 1.00000 | 0.00000 | |
00003 | ZN1 | LAI | ZONE TEMP | DEG F | 1.00000 | 0.00000 | A1 |
00004 | AI2 | LAI | SPARE AI-2 | | 1.00000 | 0.00000 | A1 |
00005 | AI3 | LAI | SPARE AI-3 | | 1.00000 | 0.00000 | A1 |
00006 | AI4 | LAI | SPARE AI-4 | | 1.00000 | 0.00000 | A1 |
00007 | AI5 | LAI | SPARE AI-5 | | 1.00000 | 0.00000 | A1 |
00008 | AI6 | LAI | SPARE AI-6 | | 1.00000 | 0.00000 | A1 |
00009 | BI1 | LDI | SPARE BI-1 | | OFF | ON | B1 |
00010 | BI2 | LDI | SPARE BI-2 | | OFF | ON | B1 |
00011 | BI3 | LDI | SPARE BI-3 | | OFF | ON | B1 |
00012 | BI4 | LDI | SPARE BI-4 | | OFF | ON | B1 |
00013 | AO1 | LAO | SPARE AO-1 | | 1.00000 | 0.00000 | A0 |
00014 | AO2 | LAO | SPARE AO-2 | | 1.00000 | 0.00000 | A0 |
00015 | DMPCMD | LAO | DAMPER COMMAND | PCT | 1.00000 | 0.00000 | A0 |
00016 | DPR OP | LDO | DAMPER OPEN | | OFF | ON | BO |
00017 | DPR CL | LDO | DAMPER CLOSE | | OFF | ON | BO |
00018 | BO3 | LDO | SPARE BO-3 | | OFF | ON | BO |
00019 | BO4 | LDO | SPARE BO-4 | | OFF | ON | BO |
00020 | BO5 | LDO | SPARE BO-5 | | OFF | ON | BO |
00021 | BO6 | LDO | SPARE BO-6 | | OFF | ON | BO |
00022 | STARVBOX | LDI | STARVED BOX | | OFF | ON | BO |
00023 | OCCSTS | LDI | OCCUPIED STATUS | | OFF | ON | BO |
00024 | SHUTSTS | LDI | SHUTDOWN STATUS | | OFF | ON | BO |
00025 | WRMCMD | LDO | WARMUP COMMAND | | OFF | ON | BO |
00026 | OCCCMD | LDO | OCCUPIED COMMAND | | UNOCC | OCC | BO |
00027 | STBYCMD | LDO | STANDBY COMMAND | | OFF | ON | BO |
00028 | BOXOPEN | LDO | SHUTDN BOX OP CMD | | OFF | ON | BO |
00029 | BOXCLSE | LDO | SHUTDN BOX CL CMD | | OFF | ON | BO |
00030 | SUM WIN | LDO | SUMMER/WINTER | | OFF | ON | BO |
00031 | OCCSTART | LAO | OCC START TIME | | 1.00000 | 0.00000 | ADI |
00032 | OCCSTOP | LAO | OCC STOP TIME | | 1.00000 | 0.00000 | ADI |
00033 | ACTHTGSP | LAI | ACTUAL HTG SETPT | DEG F | 1.00000 | 0.00000 | ADF |
00034 | ACTCLGSP | LAI | ACTUAL CLG SETPT | | 1.00000 | 0.00000 | ADF |
00035 | OCCCLGSP | LAO | OCC CLG SETPT | DEG F | 1.00000 | 0.00000 | ADF |
00036 | STBYCLG | LAO | STBYCLG SETPT | DEG F | 1.00000 | 0.00000 | ADF |
00037 | UNOCCLG | LAO | UNOCC CLG SETPT | DEG F | 1.00000 | 0.00000 | ADF |
00038 | CLGPB | LAO | CLG PROP BAND | DEG F | 1.00000 | 0.00000 | ADF |
00039 | CLGIT | LAO | CLG INTEG TIME | | 1.00000 | 0.00000 | ADF |
00040 | OCCHTGSP | LAO | OCC HTG SETPT | | 1.00000 | 0.00000 | ADF
Isb Number | Application Number | Name | Size | Modified

FIG. 8

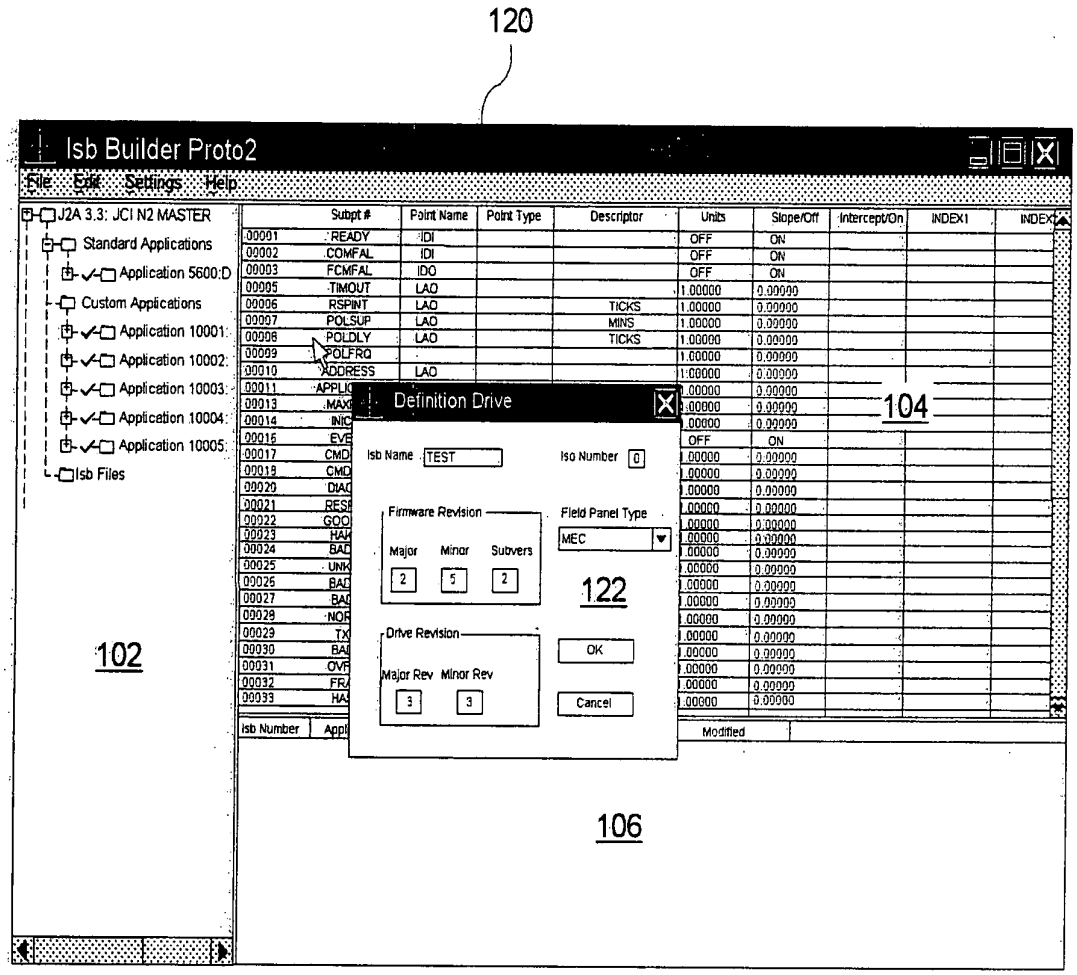
120
Isb Builder Proto2
File Edit Settings Help
J2A 3.3: JCI N2 MASTER
Standard Applications
Application 5600:D
Custom Applications
Application 10001:
Application 10002:
Application 10003:
Application 10004:
Application 10005:
Isb Files
102
Subpt #
Point Name
Point Type
Descriptor
Units
Slope/Off
Intercept/On
INDEX1
INDEX
Definition Drive
Isb Name TEST
Iso Number 0
Firmware Revision
Major Minor Subvers
2 5 2
Field Panel Type
MEC
122
Drive Revision
Major Rev Minor Rev
3 3
OK
Cancel
104
Modified
106

FIG. 9

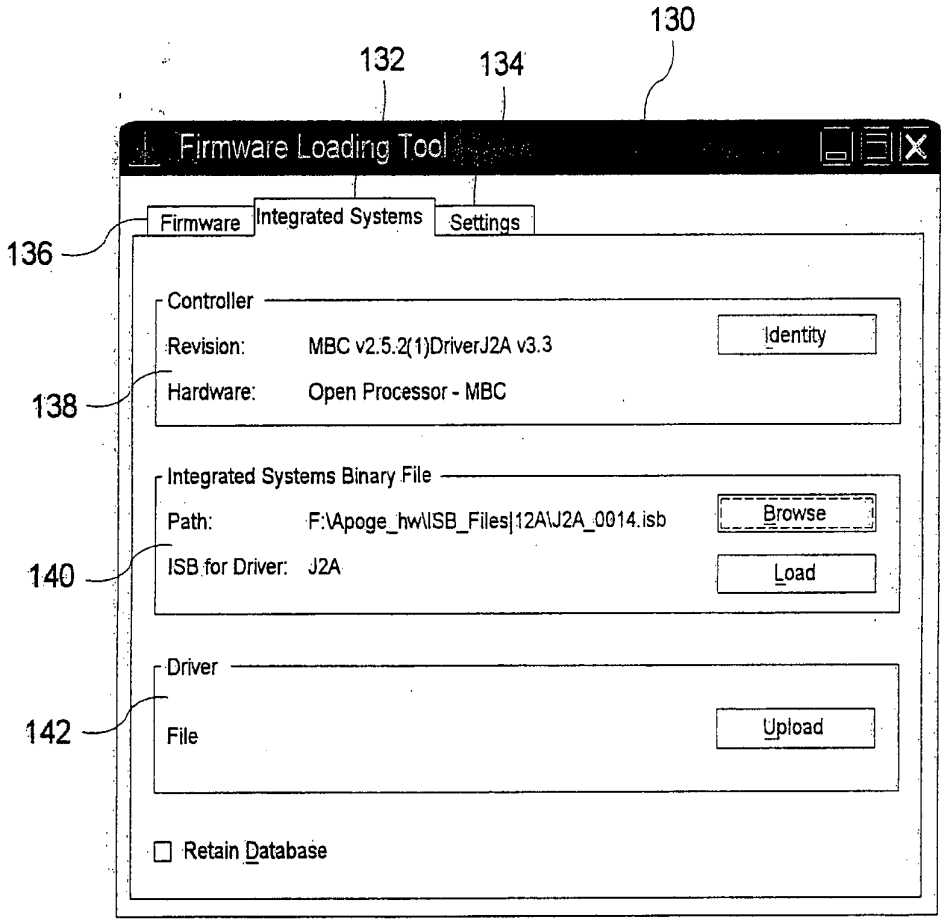
130
132
134
Firmware Loading Tool
Firmware
Integrated Systems
Settings
136
Controller
Revision:
MBC v2.5.2(1)DriverJ2A v3.3
Identity
138
Hardware:
Open Processor - MBC
Integrated Systems Binary File
Path:
F:\Apoge_hw\ISB_Files\12A\J2A_0014.isb
Browse
140
ISB for Driver:
J2A
Load
Driver
142
File
Upload
Retain Database

FIG. 10

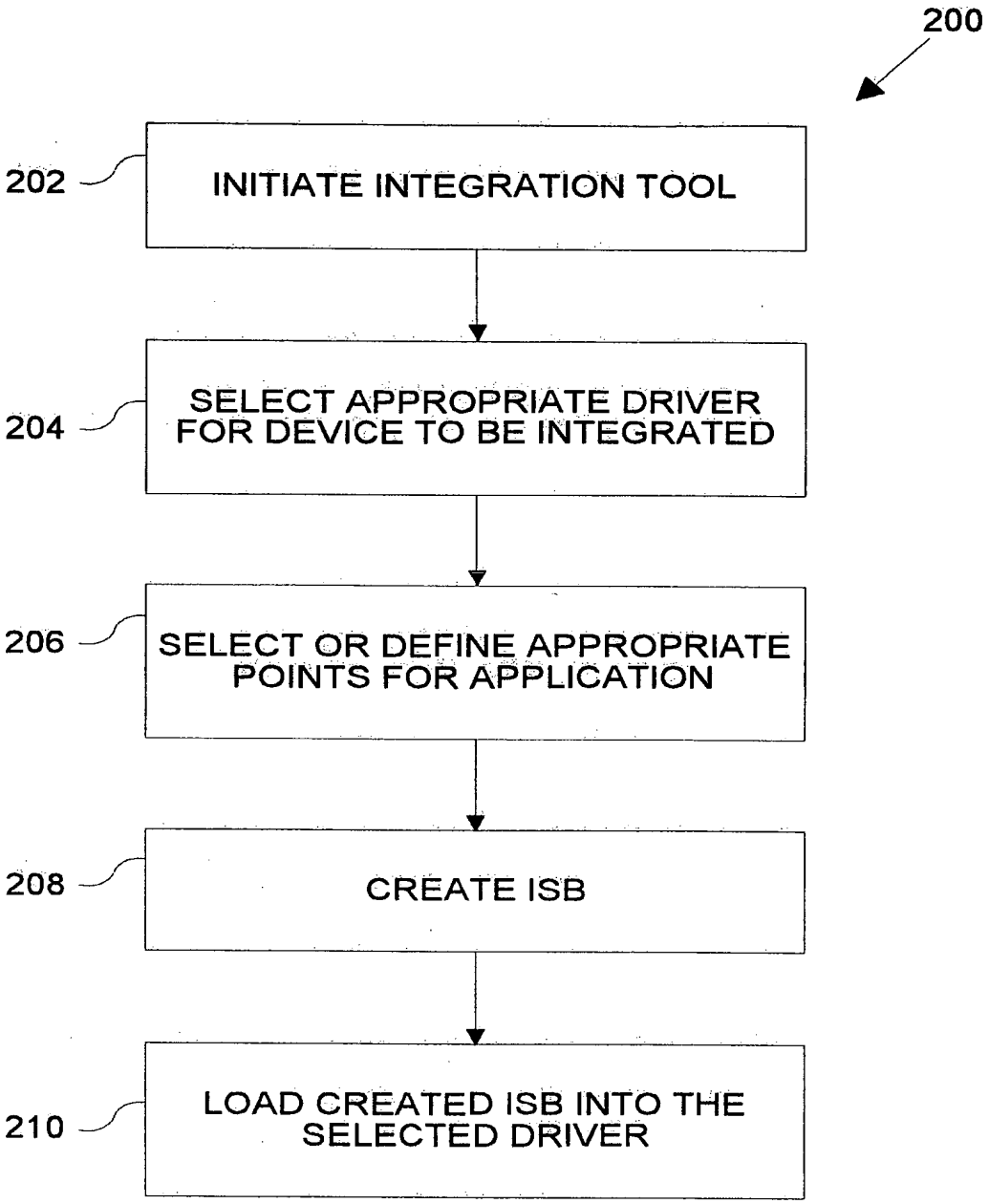
200
202
INITIATE INTEGRATION TOOL
204
SELECT APPROPRIATE DRIVER FOR DEVICE TO BE INTEGRATED
206
SELECT OR DEFINE APPROPRIATE POINTS FOR APPLICATION
208
CREATE ISB
210
LOAD CREATED ISB INTO THE SELECTED DRIVER

FIG. 11